

# H Alwyn Wootten

## List of Publications by Year in descending order

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33  
papers

2,420  
citations

279798

23  
h-index

377865

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2398  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE 2014 ALMA LONG BASELINE CAMPAIGN: FIRST RESULTS FROM HIGH ANGULAR RESOLUTION OBSERVATIONS TOWARD THE HL TAU REGION. <i>Astrophysical Journal Letters</i> , 2015, 808, L3.	8.3	877
2	Deuterated Water in Comet C/1996 B2 (Hyakutake) and Its Implications for the Origin of Comets. <i>Icarus</i> , 1998, 133, 147-162.	2.5	278
3	Water Maser Survey toward Low-Mass Young Stellar Objects in the Northern Sky with the Nobeyama 45 Meter Telescope and the Very Large Array. <i>Astrophysical Journal, Supplement Series</i> , 2003, 144, 71-134.	7.7	123
4	IRAS 16293 - 2422 - A very young binary system?. <i>Astrophysical Journal</i> , 1992, 385, 306.	4.5	102
5	Cold DCO(+) cores and protostars in the warm Rho Ophiuchi cloud. <i>Astrophysical Journal</i> , 1990, 365, 269.	4.5	98
6	A Monthly Survey of Water Masers Associated with Low-Mass Stars. <i>Astrophysical Journal, Supplement Series</i> , 1996, 106, 111.	7.7	92
7	THE 2014 ALMA LONG BASELINE CAMPAIGN: OBSERVATIONS OF THE STRONGLY LENSED SUBMILLIMETER GALAXY HATLAS J090311.6+003906 AT $z = 3.042$ . <i>Astrophysical Journal Letters</i> , 2015, 808, L4.	8.3	86
8	Synthesis imaging of the DR 21 (OH) cluster. II - Thermal ammonia and water maser emission. <i>Astrophysical Journal</i> , 1992, 388, 467.	4.5	84
9	Deuterated Ammonia in Galactic Protostellar Cores. <i>Astrophysical Journal</i> , 2001, 554, 933-947.	4.5	61
10	NITROGEN ISOTOPIC FRACTIONATION IN INTERSTELLAR AMMONIA. <i>Astrophysical Journal Letters</i> , 2010, 710, L49-L52.	8.3	60
11	Detection of interstellar H <sub>3</sub> O(+) - A confirming line. <i>Astrophysical Journal</i> , 1991, 380, L79.	4.5	54
12	A Microjet: A Protostar's Cry at Birth. <i>Astrophysical Journal</i> , 2000, 542, L135-L138.	4.5	50
13	CH <sub>2</sub> D <sup>+</sup> , the Search for the Holy Grail. <i>Journal of Physical Chemistry A</i> , 2013, 117, 9959-9967.	2.5	45
14	Synthesis imaging of the DR 21(OH) cluster. I - Dust continuum and C(O-18) emission. <i>Astrophysical Journal</i> , 1991, 378, 576.	4.5	36
15	The physical structure of Orion-KL on 2500 AU scales using the K-doublet transitions of formaldehyde. <i>Astrophysical Journal</i> , 1993, 409, 282.	4.5	35
16	The Protostellar Origin of a CS Outflow in S68N. <i>Astrophysical Journal</i> , 1998, 501, L193-L198.	4.5	34
17	THE PHYSICAL PROPERTIES OF HIGH-MASS STAR-FORMING CLUMPS: A SYSTEMATIC COMPARISON OF MOLECULAR TRACERS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 195, 1.	7.7	32
18	ALMA OBSERVATIONS OF THE GALACTIC CENTER: SiO OUTFLOWS AND HIGH-MASS STAR FORMATION NEAR Sgr A*. <i>Astrophysical Journal Letters</i> , 2013, 767, L32.	8.3	28

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19	Potential Protostars in Cloud Cores: H <sub>2</sub> CO Observations of Serpens. <i>Astrophysical Journal</i> , 1996, 456, 686.	4.5	26
20	ALMA Detection of Bipolar Outflows: Evidence for Low-mass Star Formation within 1 pc of Sgr A*. <i>Astrophysical Journal Letters</i> , 2017, 850, L30.	8.3	25
21	EVIDENCE FOR INFLOW IN HIGH-MASS STAR-FORMING CLUMPS. <i>Astrophysical Journal</i> , 2011, 740, 40.	4.5	24
22	Observations of the formaldehyde emission in Orion-KL - Abundances, distribution, and kinematics of the dense gas in the Orion molecular ridge. <i>Astrophysical Journal</i> , 1990, 348, 542.	4.5	23
23	Time-Resolved AU-Scale Jets Traced by Masers in the IRAS 4A/B Regions of NGC 1333. <i>Astrophysical Journal</i> , 2008, 685, 285-297.	4.5	23
24	Evidence for disks at an early stage in class 0 protostars?. <i>Astronomy and Astrophysics</i> , 2017, 606, A35.	5.1	22
25	Radioastronomical observations of comets IRAS-Araki-Alcock (1983d) and Sugano-Saigusa-Fujikawa (1983e). <i>Icarus</i> , 1984, 60, 215-220.	2.5	20
26	Cm-wavelength observations of MWC 758: resolved dust trapping in a vortex. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 3278-3287.	4.4	20
27	Fossil DCN in Orion-KL. <i>Astrophysical Journal</i> , 1991, 369, 169.	4.5	19
28	Isotopic CO Images near the Young Triple Star GSS 30. <i>Astrophysical Journal</i> , 1997, 475, 713-719.	4.5	13
29	FORMALDEHYDE DENSITOMETRY OF GALACTIC STAR-FORMING REGIONS USING THE H <sub>2</sub> CO 3 <sub>12</sub> -3 <sub>13</sub> AND 4 <sub>13</sub> -4 <sub>14</sub> TRANSITIONS. <i>Astrophysical Journal</i> , 2011, 742, 58.	4.5	8
30	HCN emission from comet P/Swift-Tuttle 1992t. <i>Planetary and Space Science</i> , 1994, 42, 727-731.	1.7	6
31	Ammonia images near objects with class 0 spectral energy distributions. <i>Astrophysics and Space Science</i> , 1995, 224, 43-46.	1.4	6
32	Detection of star formation regions near supernova remnant W44. <i>The Moon and the Planets</i> , 1978, 19, 163-168.	0.5	4
33	Atacama Large Millimeter/Submillimeter Array (ALMA). <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 520-521.	0.0	2